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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/872,753	06/01/2001	Gregory Scott Friedman	05146.00005	9903

22909 7590 03/14/2003

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EXAMINER

BAKER, PAUL A

ART UNIT	PAPER NUMBER
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2188

DATE MAILED: 03/14/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/872,753

Applicant(s)

FRIEDMAN ET AL.

Examiner

Paul A Baker

Art Unit

2188

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7,9-10,14-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Chan et al. "Application of Compaction Technique to Optimizing Wireless Email Transfer".

In regards to claim 1, Chan discloses a method of caching information relating to a set of data items, comprising:

in a first retrieval operation, retrieving and storing into a memory only a first hierarchical level of information corresponding to at least one of the data items on page 1534 Section III 3rd paragraph lines 9-12; and

in a second retrieval operation separate from the first retrieval operation, retrieving and storing into the memory only a second hierarchical level of information corresponding to the at least one of the data items page 1534 Section III 3rd paragraph lines 1-5.

In regards to claim 2, Chan discloses the data items are electronic data files page 1534 Section III 3rd paragraph lines 1-2.

In regards to claim 3, Chan discloses the electronic data files are electronic mail message data files page 1534 Section III 3rd paragraph lines 1-2.

In regards to claim 4, Chan discloses the first level of hierarchical information is at least one identifier for uniquely identifying each of the at least one of the data items page 1534 Section III 3rd paragraph lines 9-12.

In regards to claim 5, Chan discloses the second level of hierarchical information is metadata for each of the at least one of the data items page 1534 Section III 3rd paragraph lines 1-5.

In regards to claim 6, Chan discloses the metadata includes one or more data selected from the group consisting of: a title of the at least one of the data items, a subject of the at least one of the data items, an author of the at least one of the data items, and a size of the at least one of the data items page 1534 Section III 3rd paragraph lines 1-5.

In regards to claim 7, Chan discloses the second level of hierarchical information is content for each of the at least one of the data items page 1534 Section III 3rd paragraph lines 1-5.

Art Unit: 2188

In regards to claim 9, Chan discloses in a third retrieval operation separate from the first and second retrieval operations, retrieving and storing into the memory only a third hierarchical level of information corresponding to the at least one of the data items page 1534 Section III 3rd paragraph lines 7-9.

In regards to claim 10, Chan discloses the third level of hierarchical information is content for each of the at least one of the data items page 1534 Section III 3rd paragraph lines 7-9.

In regards to claim 14, Chan discloses the first retrieval operation is initiated in response to receiving a first trigger page 1534 Section III 3rd paragraph lines 6-8, and the second retrieval operation is initiated in response to receiving a second trigger different from the first trigger page 1534 Section III 3rd paragraph lines 10-12.

In regards to claim 15, Chan discloses at least one of the first trigger and the second trigger is predictive indicator predicting a user's preferences for retrieving information from the set of data items page 1534 Section III 3rd paragraph lines 10-12.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2188

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Chan et al. "Application of Compaction Technique to Optimizing Wireless Email

Transfer" in view of Ulrich et al. US Patent 6,052,735.

In regards to claim 8, Chan does not disclose the second level of hierarchical information is an attachment to each of the at least one of the data items. Ulrich discloses in column 3 lines 15-21 dynamically retrieving attachments on a per message basis. Both Chan and Ulrich are systems to reduce unnecessary bandwidth on a slow interconnect when synchronizing email between a personal device and a source. It is well known in the art that email is comprised of multiple sections one of which is an optional attachment. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to transfer attachments within Chan as part of the hierarchical retrieval of information.

In regards to claim 11, Chan does not disclose the third level of hierarchical information is an attachment to each of the at least one of the data items. Ulrich discloses in column 3 lines 15-21 dynamically retrieving attachments on a per message basis. Both Chan and Ulrich are systems to reduce unnecessary bandwidth on a slow interconnect when synchronizing email between a personal device and a source. It is well known in the art that email is comprised of multiple sections one of which is an

Art Unit: 2188

optional attachment. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to transfer attachments within Chan as part of the hierarchical retrieval of information.

In regards to claim 13, Chan does not disclose the fourth level of hierarchical information is an attachment to each of the at least one of the data items. Ulrich discloses in column 3 lines 15-21 dynamically retrieving attachments on a per message basis. Both Chan and Ulrich are systems to reduce unnecessary bandwidth on a slow interconnect when synchronizing email between a personal device and a source. It is well known in the art that email is comprised of multiple sections one of which is an optional attachment. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to transfer attachments within Chan as part of the hierarchical retrieval of information.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chan et al. "Application of Compaction Technique to Optimizing Wireless Email Transfer". Chan does not explicitly disclose a fourth retrieval operation separate from the first, second and third retrieval operations, retrieving and storing into the memory only a fourth hierarchical level of information corresponding to the at least one of the data items. However it is well known in the art that email is comprised of multiple sections such as the unique identifier, header information (such as the sender, subject and size) the message body, and attachments. Since Chan addresses sending in hierarchical

Art Unit: 2188


fashion the first three elements, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have a fourth retrieval operation for the purpose of retrieving attachments.

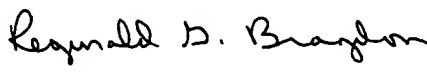
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A Baker whose telephone number is (703)305-3304. The examiner can normally be reached on M-F 10am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Do Yoo can be reached on (703)308-4908. The fax phone numbers for the organization where this application or proceeding is assigned are (703)746-7238 for regular communications and (703)746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3900.


PB
March 7, 2003


REGINALD G. BRAGDON
PRIMARY EXAMINER